



ENVIRONMENTAL TECHNOLOGY

“Outstanding with design, delivery and installation”

Leading waste to energy company Enfinium were disappointed with the support provided by their pump OEM when it came to addressing the problem of bearing oil leakage.

The pump used a labyrinth type bearing seal, the loss of bearing oil caused increased heat in the bearing chamber and oil consumption increased, in addition oil would spray from the pump causing a health and safety risk. Despite being approached many times the pump OEM were unable to solve the problem, with a mean time between failure (MTBF) of less than 2 weeks, the cost of removing the pump to replace the seals was unacceptable so Enfinium approached AESSEAL® for a solution.

AESSEAL® recommended replacing the existing labyrinth seals with the LabTecta® AX. AESSEAL® manufactured a new seal and modified the seal housing on the pump to accept the LabTecta® AX, before attending site to fit the new seal. The seal was installed in May 2021 and over three years later is still running without any issues. The customer is so happy with the performance they have ordered an additional 3 more seals to convert the remaining pumps.

“From start to finish AES have been outstanding with design, delivery and installation. Eradicating an issue with plant since commissioning, allowing us to run efficiently without problems.” *Corey Mitchell: Mechanical Technician*



‘Reliability increased from <2 weeks to >3 years’

Industry:	Power
Product:	LabTecta® AX
Application:	Pump Bearing
MTBF Increase:	8,000% (and counting)
Reference N.O:	CS0099



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